

multi-layered laminated film comprising a first film, a second film and a laminating adhesive or lacquer between the first and second films, said composite film sealingly engaging one side of a functional element.

29. (Amended) A composite film according to claim 25 wherein the second film of each laminated film comprises a thermally activated substance.

30. (Amended) A composite film according to claim 25 wherein the first and the second film of each laminated film are selected from the group consisting of: liquid crystal polymer, polyphenylene sulfide, polyethylene terephthalate, polyethylene naphthalate, polyketone, polyetherketone, polyetheretherketone, polyetherketoneketone, polyetheretherketoneketone, polyetherimide, polyether sulfone, polysulfone, cyclo-olefin copolymer, and polyamide films.

31. (Amended) A composite film according to claim 25 wherein the laminating adhesive or lacquer is selected from the group consisting of: acrylates, polyurethanes, polyester polyols, polyester urethanes, epoxides, copolyesters or natural adhesive resins, which can be used as single-component or multi-component systems.

33. (Amended) A composite film according to claim 25 wherein the wet application weight of the laminating adhesive is 2 g/m² to 40 g/m².

34. (Amended) A composite film according to claim 29 wherein the thermally activated substance is selected from the group consisting of: cyclo-olefin copolymers, polyesters, polyurethanes, acrylates and derivates thereof, vinyl acetate copolymers, polyvinyl alcohols, polyvinyl butyrals, polyvinyl acetates, sealable maleic resins, alkyd resins, polyolefins, polyamides and saturated, unsaturated, linear and branched copolyesters or multi-component polyurethane primer systems.

35. (Amended) A composite film according to claim 25 wherein the first and second films of the individual laminated films each have a thickness between 10 μm and 100 μm .

36. (Amended) A method for manufacturing a halogen-free composite film comprising:

applying a laminating adhesive to a first film of a first laminated film;

thereafter drying the first film in a drying tunnel at temperatures from approximately 80° C to 180° C;

joining a second film at the end of the drying tunnel to the first film to produce said first laminated film;

curing said laminating adhesive of said first laminated film;

thereafter providing a functional element between said first laminated film and a second laminated film produced in the same way as said first laminated film; and

laminating said first and second laminating films together.

37. (Amended) A method according to claim 36 wherein the composite film comprises at least two to N sealable, multi-layered laminated films, wherein N is an integer from 3 to 10.

84 39. (Amended) A method according to claim 36 wherein the first and the second film of each laminated film are selected from the group consisting of: liquid crystal polymer, polyphenylene sulfide, polyethylene terephthalate, polyethylene naphthalate, polyketone, polyetherketone, polyetheretherketone, polyetherketone-ketone, polyetheretherketoneketone, polyetherimide, polyether sulfone, polysulfone, cyclo-olefin copolymer, and polyamide films.